

<b>BOAT</b>	<b>GPH</b>	<b>HULL</b>
Name <b>JUNIOR</b> Sail Nr <b>GRE-2380</b>	<b>660.0</b>	Length Overall <b>8.032m</b> Maximum Beam <b>2.488m</b> Displacement <b>1,544kg</b> Draft <b>1.513m</b> Plan Review IMS Reg. Division <b>Sportboat</b> Dynamic Allowance <b>0.000%</b> Hull Construction <b>Solid</b> Carbon Rudder <b>No</b> Crew Arm Extension
<b>GENERAL</b>		IMSL <b>7.307m</b> VCGD <b>-0.172m</b> Sink <b>9.27kg/mm</b> RL <b>7.224m</b> VCGM <b>-0.111m</b> WS <b>12.22m<sup>2</sup></b> LSM0 <b>7.039m</b> Displacement/Length ratio <b>4.4270</b>
Class <b>J-80</b> Designer <b>R. JOHNSTONE</b> Builder <b>J. COMPOSITE</b> Series <b>11/1997</b> Age <b>01/1999</b> Age Allowance <b>0.487%</b> Offset File <b>J80.OD.OFF - 11/06/2010 14:04:24</b> Measurement by - <b>28/03/2011</b>		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time on Distance	<b>645.3</b>			<b>730.2</b>		
Time on Time	<b>0.9299</b>			<b>0.9244</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>741.4</b>	<b>590.3</b>	<b>523.2</b>	<b>957.4</b>	<b>729.2</b>	<b>643.6</b>
Time on Time	<b>0.9105</b>	<b>1.1434</b>	<b>1.2901</b>	<b>0.7050</b>	<b>0.9257</b>	<b>1.0488</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1123.2</b>	<b>930.9</b>	<b>822.8</b>	<b>785.6</b>	<b>774.7</b>	<b>771.7</b>	<b>763.7</b>
52°	<b>733.7</b>	<b>622.1</b>	<b>579.0</b>	<b>561.7</b>	<b>555.1</b>	<b>552.0</b>	<b>543.4</b>
60°	<b>693.6</b>	<b>599.7</b>	<b>566.0</b>	<b>546.4</b>	<b>536.3</b>	<b>530.8</b>	<b>521.9</b>
75°	<b>642.0</b>	<b>572.0</b>	<b>545.9</b>	<b>527.6</b>	<b>506.8</b>	<b>494.7</b>	<b>485.1</b>
90°	<b>616.0</b>	<b>556.5</b>	<b>521.0</b>	<b>495.4</b>	<b>478.7</b>	<b>465.8</b>	<b>441.6</b>
110°	<b>635.2</b>	<b>556.9</b>	<b>514.9</b>	<b>482.8</b>	<b>447.8</b>	<b>420.0</b>	<b>385.4</b>
120°	<b>652.0</b>	<b>562.7</b>	<b>517.6</b>	<b>475.0</b>	<b>440.2</b>	<b>417.6</b>	<b>355.8</b>
135°	<b>726.6</b>	<b>595.2</b>	<b>542.7</b>	<b>499.5</b>	<b>457.5</b>	<b>414.7</b>	<b>321.9</b>
150°	<b>854.6</b>	<b>683.1</b>	<b>591.4</b>	<b>549.5</b>	<b>518.5</b>	<b>482.5</b>	<b>380.4</b>
Run VMG	<b>986.8</b>	<b>788.8</b>	<b>682.9</b>	<b>633.3</b>	<b>586.0</b>	<b>550.9</b>	<b>439.3</b>

**Certificate**  
Number **00761**  
ORC Ref **03420000ERK**  
Issued On **12/03/2020**  
VPP Ver. **2020 1.01**  
Valid until **28/02/2021**

**Crew Weight**  
Default **417kg**  
Maximum **417kg**  
Minimum\* **313kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**  
ToD ToT  
Non Spin GPH **708.7 0.8466**  
Non Spin OSN **686.7 0.8737**

Selected Courses							
Windward / Leeward	<b>1055.0</b>	<b>859.8</b>	<b>752.9</b>	<b>709.5</b>	<b>680.3</b>	<b>661.3</b>	<b>601.5</b>
Circular Random	<b>894.3</b>	<b>729.0</b>	<b>641.7</b>	<b>590.9</b>	<b>558.0</b>	<b>533.0</b>	<b>490.5</b>
Coastal / Long Distance	<b>1048.1</b>	<b>808.0</b>	<b>682.4</b>	<b>615.9</b>	<b>575.4</b>	<b>541.4</b>	<b>466.1</b>
Non Spinnaker	<b>984.1</b>	<b>791.0</b>	<b>687.1</b>	<b>626.3</b>	<b>588.2</b>	<b>562.2</b>	<b>525.9</b>

**Sails Limitations**  
Headsails **5** Spinnakers **4**

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>42.8°</b>	<b>42.0°</b>	<b>39.6°</b>	<b>38.3°</b>	<b>37.9°</b>	<b>37.9°</b>	<b>38.0°</b>
Beat VMG	<b>3.21</b>	<b>3.87</b>	<b>4.38</b>	<b>4.58</b>	<b>4.65</b>	<b>4.66</b>	<b>4.71</b>
52°	<b>4.91</b>	<b>5.79</b>	<b>6.22</b>	<b>6.41</b>	<b>6.48</b>	<b>6.52</b>	<b>6.62</b>
60°	<b>5.19</b>	<b>6.00</b>	<b>6.36</b>	<b>6.59</b>	<b>6.71</b>	<b>6.78</b>	<b>6.90</b>
75°	<b>5.61</b>	<b>6.29</b>	<b>6.59</b>	<b>6.82</b>	<b>7.10</b>	<b>7.28</b>	<b>7.42</b>
90°	<b>5.84</b>	<b>6.47</b>	<b>6.91</b>	<b>7.27</b>	<b>7.52</b>	<b>7.73</b>	<b>8.15</b>
110°	<b>5.67</b>	<b>6.46</b>	<b>6.99</b>	<b>7.46</b>	<b>8.04</b>	<b>8.57</b>	<b>9.34</b>
120°	<b>5.52</b>	<b>6.40</b>	<b>6.95</b>	<b>7.58</b>	<b>8.18</b>	<b>8.62</b>	<b>10.12</b>
135°	<b>4.95</b>	<b>6.05</b>	<b>6.63</b>	<b>7.21</b>	<b>7.87</b>	<b>8.68</b>	<b>11.18</b>
150°	<b>4.21</b>	<b>5.27</b>	<b>6.09</b>	<b>6.55</b>	<b>6.94</b>	<b>7.46</b>	<b>9.46</b>
Run VMG	<b>3.65</b>	<b>4.56</b>	<b>5.27</b>	<b>5.68</b>	<b>6.14</b>	<b>6.54</b>	<b>8.20</b>
Gybe Angles	<b>145.0°</b>	<b>148.0°</b>	<b>150.0°</b>	<b>151.0°</b>	<b>176.0°</b>	<b>177.5°</b>	<b>139.3°</b>

**Class Division Length**  
CDL = **7.261**

**Storm Sails Areas**  
Heavy Weather Jib **12.55**  
Storm Jib (JL=6.27) **4.65**  
Storm Trysail **6.10**

**Owner**

<b>BOAT</b>	
Name <b>JUNIOR</b>	Sail Nr <b>GRE-2380</b>
File <b>GR2380</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>					
Inclining Test <b>Current Inclining</b>					
Flotation date <b>28/03/2011</b>				SG <b>1.0260</b>	
FFM	<b>0.867</b>	FF	<b>0.867</b>	SFFP	<b>0.177</b>
FAM	<b>0.611</b>	FA	<b>0.613</b>	SAFP	<b>8.015</b>
W1	<b>26.3</b>	PD1	<b>271.0</b>	WD	<b>8.420</b>
W2	<b>26.3</b>	PD2	<b>271.0</b>	GSA	<b>50.0</b>
W3	<b>26.3</b>	PD3	<b>271.0</b>	RSA	<b>5674.0</b>
W4	<b>26.3</b>	PD4	<b>271.0</b>	PLM	<b>2115.0</b>
LCF from stem on CL / on sheer				<b>4.300 / 4.462</b>	
Maximum beam station from stem				<b>4.712</b>	
RM Measured				<b>30.0kg-m</b>	
RM Default				<b>29.0kg-m</b>	
Limit of positive stability / Stab.Index				<b>113.5° / 107.8</b>	
Freeboard at mast at 2.905				<b>0.732</b>	



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<b>RIG</b>					
Forestay Tension	<b>Aft</b>	Spreaders		<b>2</b>	
Inner Stay	<b>None Fitted</b>	Runners/Checkstays		<b>0</b>	
Carbon Mast	<b>No</b>	Jib Furler		<b>Yes</b>	
Fiber Rigging	<b>No</b>	Main Furler		<b>No</b>	
Non-Circular Rigging	<b>No</b>				
Articulated Bowsprit	<b>No</b>				
P	<b>9.140</b>	E	<b>3.810</b>	MDT1	<b>0.082</b>
IG	<b>9.555</b>	J	<b>2.905</b>	MDL1	<b>0.133</b>
ISP	<b>10.065</b>	SFJ	<b>0.000</b>	MDT2	<b>0.065</b>
BAS	<b>1.305</b>	SPL		MDL2	<b>0.102</b>
FSD	<b>0.025</b>	TPS	<b>4.826</b>	TL	<b>0.310</b>
				MW	<b>0.133</b>
				GO	<b>0.158</b>
				BD	<b>0.095</b>
				MWT	<b>54.60</b>
				MCG	<b>3.451</b>

<b>MIZZEN RIG AND SAILS</b>	
N/A	

<b>PROPELLER</b>	
Type <b>No Propeller</b>	

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<b>COMMENTS</b>	
ex "COYOTE", ex "ZANTAC"	

<b>MOVABLE BALLAST</b>	
N/A	

<b>CENTERBOARD</b>	
N/A	

<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.18	0.78	1.46	2.50	3.25	20.99	21.62	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	Area	AS · (SFL + 4·SHW) / 6		
	12.14	9.72	10.93	7.20	6.68	64.63			

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HBB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Flying	Meas.Date	Material	Comment
0.08	0.47	0.86	1.58	2.34	2.95	9.29	14.53	Y	No	12/03/2019	Carbon	
0.08	0.42	0.78	1.48	2.21	2.94	9.27	13.83	Y	No	26/05/2015	Technor	
0.07	0.40	0.75	1.45	2.19	2.90	9.13	13.39	Y	No	28/03/2011	Pentex	

<b>MEASUREMENT INVENTORY</b>				
Measurer <b>GRE-52</b>				
Date <b>28/03/2011</b>				
Comment				
<b>Internal Ballast total = 0.0</b>				
Id	Item	Weight	Distance	VCG Description
4	Anchor	40.0	5.00	DANFORTH
4	Foals	2.0	4.40	
Id	Item	Maker	Model	
1	Engine	SUZUKI OUTBOARD	6HP 4T	
Id	Item	Weight	Description	

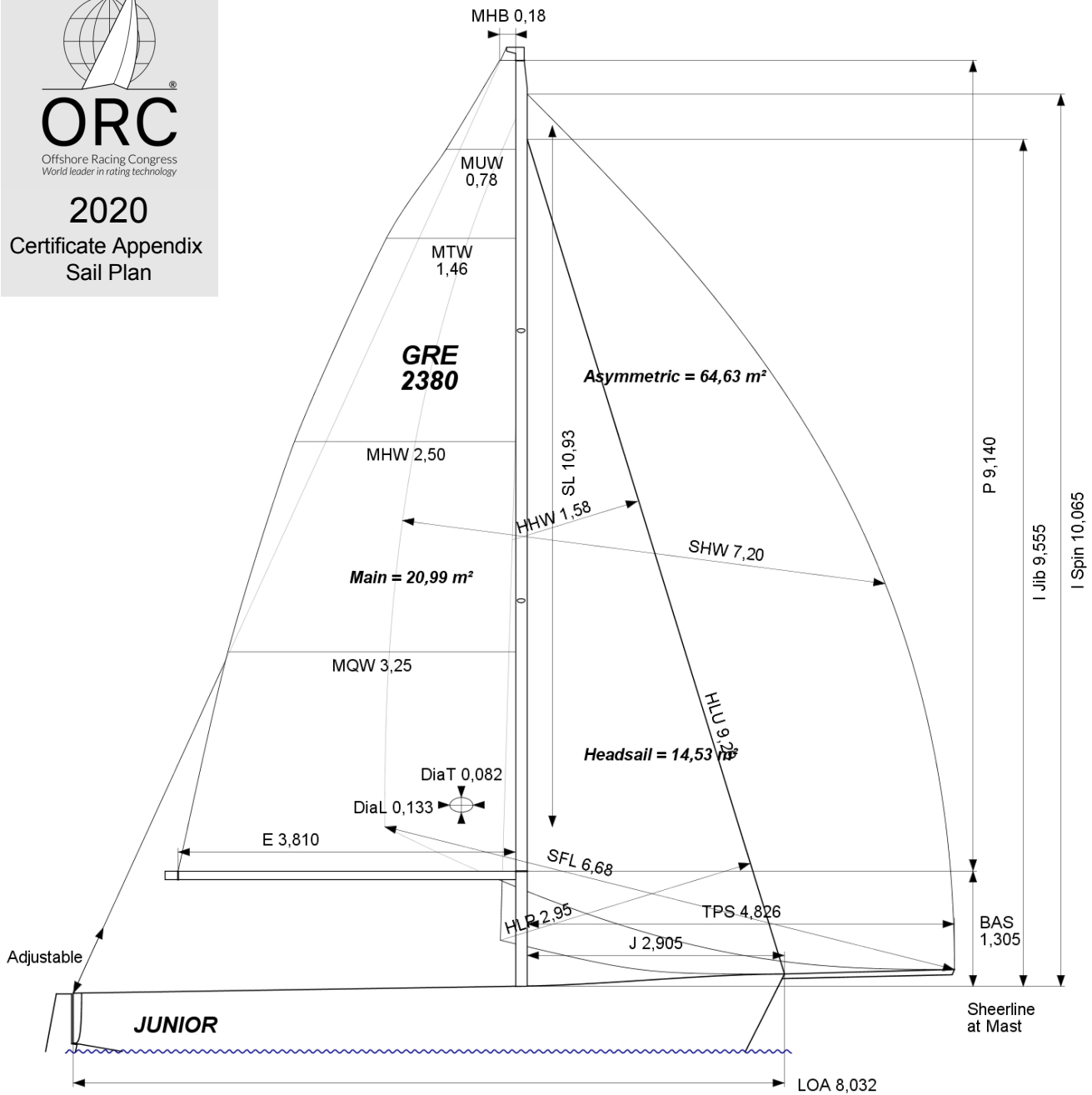
<b>MEASUREMENT INVENTORY</b>				
Id	Item	Weight	Distance	VCG Description
1	Battery	20.0	2.90	75AH
1	Misc		0.00	GENOA FURLING



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL (2)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
4	0.18	0.78	1.46	2.50	3.25	20.99		10/06/2016	BANKS	Carbon	
5	0.16	0.77	1.44	2.46	3.21	20.75		30/09/2019	QUANTUM	Technora	

**HEADSAILS (3)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
4	0.08	0.47	0.86	1.58	2.34	2.95	9.29	102%	14.53	Y	No		12/03/2019	QUANTUM	Carbon	
3	0.08	0.42	0.78	1.48	2.21	2.94	9.27	101%	13.83	Y	No		26/05/2015	QUANTUM	Technor	
1	0.07	0.40	0.75	1.45	2.19	2.90	9.13	100%	13.39	Y	No		28/03/2011	KAKITSIS	Pentex	

**SYMMETRIC SPINNAKERS (0)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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**ASYMMETRIC SPINNAKERS (3)**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
4	12.14	9.72	10.93	7.20	6.68	64.64	asym		02/02/2018	QUANTUM	Nylon	
1	11.90	9.83	10.87	7.00	6.84	63.09	asym		28/03/2011	QUANTUM	Nylon	
2	10.86	9.28	10.07	4.22	5.54	37.63	asy77		28/03/2011	QUANTUM	Nylon	